

Complete each of the questions on loose leaf.

1) Multiply

- a) $(-4)(-11)$ b) $14(-5)$ c) $(-8)(4)$ d) $3(25)$ e) $6(-20)$ f) $(-13)(-3)$
g) $-9(11)$ h) $(-12)(5)$ i) $-8(17)$ j) $3(-7)$ k) $9(-12)$ L) $-5(-14)$

2) Find the Product

- a) $(-4)(-2)(-3)$ b) $(6)(2)(-2)$ c) $(-3)(9)(2)$ d) $(-4)(5)(-3)$
e) $(-14)(12)(0)$ f) $(-8)(-5)(-2)$ g) $(6)(3)(2)$ h) $(11)(-3)(10)$

3) Write a multiplication sentence and find the resulting temperature.

- a) The temperature was 0°C per hour for 3 hours. What was the temperature after 3 hours?
b) The temperature was 0°C at midnight and it decreased 2°C per hour until 8 am. What was the temperature then?
- 4) A submarine descends (goes down) 80 m/minute for 10 minutes. Write a multiplication sentence and find the depth of the submarine.
- a) After 3 minutes b) after 9 minutes
- 5) Air temperature decreases about 6°C for every 1 km increase in altitude.
- a) What is the temperature change from sea level to the top of the stratosphere, an altitude of about 27 km?
b) The temperature at sea level was 22°C . What was the temperature at the top of the stratosphere?
c) At the base of Mt. Everest, the temperature was -2°C . What was the temperature 8000 m up the mountain?
- 6) The altitude of a jet is 10 500 m. If the jet descends at a rate of 320 m/min, what would its altitude be after 20 minutes?